

Trends on the Horizon

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Where are we headed?



Content Overview

1. Realize the range of new technologies emerging: Mobile, virtual, wearable, collaborative, digital books, cloud computing, new interfaces, etc.



Old Days of Mobile Technology



New Days of Mobile Technology



New Days of Mobile Technology



More New Days



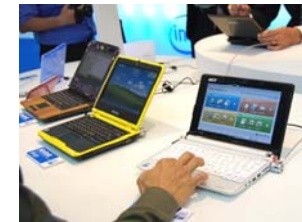
Still More Days to Come



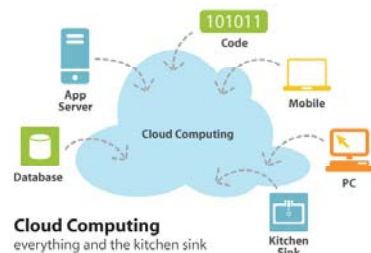
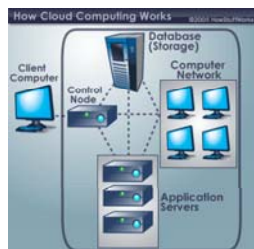
Blendable Screens?



Smaller and Cheaper Devices?



Life in the Cloud...?



Learning increasingly virtual?

University of Kansas Medical Center's Use of Second Life



New Forms of Videoconferencing (e.g., telepresence)



Content Overview

2. Understand the pedagogies emerging:
Personalized learning environments,
self-selected or self-service learning,
adaptive learning environments,
learning networks, immersive living
systems, learning as a conversation, etc.



Content Overview

3. Policies and degrees emerging: global
online degrees, free globally shared
content, free programs and degrees.
4. Options to learn about trends
(conferences, colleagues, journal
articles, etc.).



Content Overview

5. New occupations for faculty members:
online concierges, super e-mentors and
counselors, facilitators, program
supervisors, assessment specialists,
instructional designers, etc.



Content Overview

- 6. New forms of instructional delivery.
- 7. New forms of colleges and universities.
- 8. Continued explosion of free online content and open educational resources.



Content Overview

- 9. Self-determined degrees.
- 10. Learning on demand, self-service learning, just-in-time learning.



Content Overview

- 11. Greater emphasis on adult learning; older adults will play an increasing role in higher education.
- 12. International instructors, peers, and degree programs.



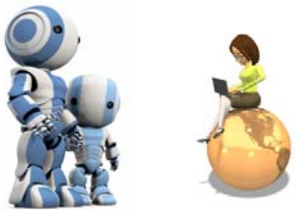
Content Overview

- 13. Choosing your peers and instructors.
- 14. Issues of course quality, assessment, student verification and plagiarism rise in importance.

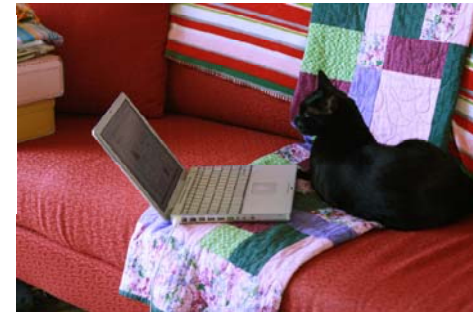


Content Overview

15. What's next? Voice activated systems, intelligent agents, customized learning modules, etc. Mobile learning alone will bring with it billions of new learners.

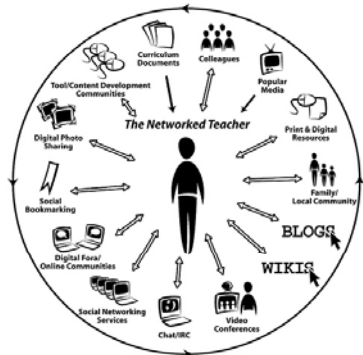


What is Next? Answer: The Web of Learning



The Web of Learning

(figure courtesy of Alec Couros)



Now have the Web 2.0



More of the Web 2.0



What is Expertise?



We are entering a jumping off point...from the Web 2.0 to???

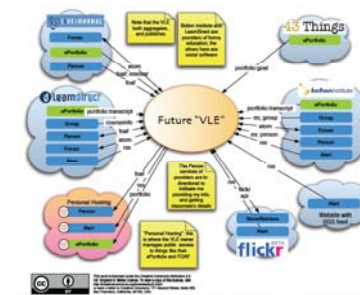


Elements of the Web's Next Generation



Personalized Learning Environments

(leaders include: Scott Wilson, Graham Attwell, George Siemens, and Stephen Downes)



Content Overview

- 16. Classes will be more culturally diverse.
- 17. Demand for top instructors will grow.



Content Overview

- 18. Unique partnerships will be formed between the government, higher education, publishers, technology computers, e-learning providers, and others.



Content Overview

- 19. Increasing emphasis and use of social technologies for learning (e.g., Facebook, Ning, iPad, etc.).



Content Overview

- 20. No slow down. No slow down. No slow down.
- 21. Technology in the clouds! On other planets.



Trends Examples

1. PLEs (China and the UK).
2. National Guard example.
3. Contact North (teleported instructors).



Personalized Learning Environments (Mark Johnson et al., University of Bolton, 2006)

- Access to experts for apprenticeship
- Provide learning paths for students.
- Support conversations based on preferences.
- Team—connect to others with similar interests.
- Activities—match to one's learning preferences.
- Social events—based on profiles, prefs, & contacts.
- Technology—making tools available that prefer.



Administrator Decisions

What do to about OER, open sources, E-books, mobile, etc.?



Instructor Decisions

Act as Concierge, Counselor, Course facilitator, Credit manager?



Edupunks



Edupunks: Jim Groom from Mary Washington University

- Describes growing movement toward high-tech-do-it-yourself education.
- Mainly motivated by astronomical costs of higher education.



Student Decisions

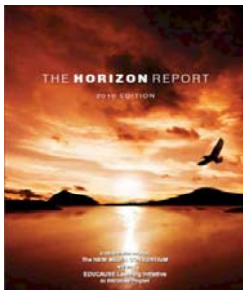
Should I attend traditional university or create my own degree path?

How to report use of OER on resumes?



Advice and Guidelines

1. Read the annual Horizons report from Educause.
2. Browse through open access journals.



[Trend]

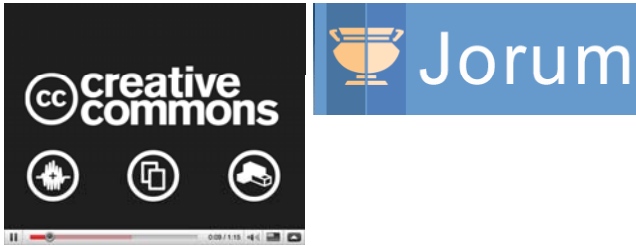
Advice and Guidelines

3. Attend virtual conferences in your field as well as other technology conferences like Educause, EDEN, MERLOT, E-Learn, etc.
4. Become an active member in a new conference like Global Learn or Global TIME.



Advice and Guidelines

5. Keep exploring online portals and Websites like MERLOT, Connexions, Jorum, Creative Commons, the OER Commons, etc.



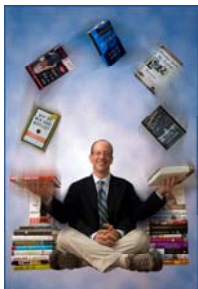
Advice and Guidelines

6. How to keep up? Try one new technology each year and one new activity each semester.
7. Talk to others in your discipline about their predictions of the future.



Advice and Guidelines

8. Rethink your role as a digital scholar—create a blog, a podcast show of your research, an online class, or new blended learning opportunity.



Advice and Guidelines

9. Create a professional plan or guiding philosophy related to technology in education.
10. Remember: Any predictions of the future are bound to be too conservative.



Where are we headed?



What trends on horizon do you see? What trends will see you?



For More Information, Contact:
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